

Please add the following new claims:

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81. A refrigerated display case comprising:
a frame element;
at least one door supported relative to the frame element;
an electronic ballast mounted adjacent the frame for operating at a frequency above 100 cycles per second and above 200 volts;
at least one lamp socket supported relative to the frame and having socket contacts for supplying electrical energy to a lamp having cylindrical contacts through the socket contacts, wherein the socket contacts have a surface area available for electrical contact of at least 0.008 square inch;
at least one electrical conductor for electrically coupling the ballast to the socket, wherein the conductor has a surface area available for electrical contact of at least 0.008 square inch; and
a junction between the at least one electrical conductor and the contacts of the at least one lamp socket for forming an electrical bridge between the at least one electrical conductor and the contacts wherein the bridge has a surface area available for electrical contact of at least 0.008 square inch.

82. The display case of claim 81 wherein the contacts for the at least one lamp socket are at least partially cylindrical for accepting a pin for electrical contact.

83. The display case of claim 81 wherein the contacts for the at least one lamp socket have an arcuate shape over a substantial surface area for contact with a mating electrical contact.

84. The display case of claim 81 wherein the contact of the at least one lamp socket is adapted to contact with a mating contact through a longitudinal connection movement.

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85. The display case of claim 81 wherein the contacts for the at least one lamp socket are at least partially hollow cylindrical for accepting a complimentary pin contact, wherein the at least one electrical conductor includes wire having a size no smaller than 16 gauge, and wherein the junction includes a connector having a pin connector portion and a complementary mating hollow cylindrical connecting portion, and further including a lamp with pins electrically contacting the contacts on the at least one lamp socket.

86. The combination of claim 85 wherein the contacts of the at least one lamp socket engage the lamp pins over at least 180 degrees of the circumferential surface of the lamp pins.

87. The display case of claim 86 wherein the contacts on the at least one lamp socket engage the pins on the lamp over at least 50 per cent of the length of the pins on the lamp.

88. The display case of claim 81 further including a fluorescent lamp connected to two lamp sockets, wherein each lamp socket includes hollow cylindrical contacts for engaging pins on the lamp.

89. The display case of claim 81 further comprising a first electrical conductor for supplying electrical energy to a first contact in the at least one lamp socket, a second electrical conductor for supplying electrical energy to a second contact in the at least one lamp socket, and wherein the first conductor is soldered to the first contact and wherein the second conductor is soldered to the second contact.

90. The display case of claim 81 wherein the junction includes at least one pin connector and at least one mating hollow cylindrical connector and wherein the connectors are enclosed in a plastic housing.

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91. The display case of claim 81 wherein the contacts for the at least one lamp socket are substantially circular in cross section.

92. The display case of claim 91 wherein the contacts are split sleeve contacts.

93. The display case of claim 81 further including a ballast capable of operating at temperatures below zero degrees Farenheit.

94. The display case of claim 81 further comprising a lamp coupled to the at least one lamp socket, wherein the lamp is a fluorescent light source and wherein the at least one socket contact for the fluorescent lamp includes a surface area for contacting a contact on the fluorescent lamp having at least 0.01 square inch surface area available for electrical contact with the contact on the fluorescent lamp.

95. The display case of claim 94 wherein the surface area available for electrical contact with the lamp is at least 0.05 square inch.

96. The display case of claim 94 wherein the electrical circuit is formed in such a way that the surface area available for electrical contact with the lamp is approximately 0.07 square inch.

97. The display case of claim 81 wherein the at least one electrical conductor for electrically coupling the ballast to the socket includes a connection for connecting to a conductor carrying electrical energy from a ballast wherein the junction includes pin conductors engaging hollow cylindrical mating conductors surrounded by plastic.